

Ceramic, AUTO-(CxxxxC-AUTO), 33 pF, 5%, 50 V, 0402, COG, SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade



| Dimensions |                 |
|------------|-----------------|
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| T          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| B          | 0.3mm +/-0.1mm  |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 10000                  |

| General Information |   |
|---------------------|---|
| Style:              | SMD Chip  |
| Series:             | AUTO-(CxxxxC-AUTO)                                      |
| Chip Size:          | 0402  |
| Description:        | SMD, MLCC, Ultra-Stable, Low Loss, Automotive Grade     |
| Features:           | Ultra-Stable, Low Loss, Automotive Grade                |
| RoHS:               | Yes   |
| Termination:        | Tin   |
| Marking:            | No  |
| Failure Rate:       | N/A   |
| Approvals:          | AEC-Q200  |
| AEC-Q200:           | Yes   |
| Miscellaneous:      | Note: KEMET 50V rated parts may be operated at 63 Volts |

| Specifications                   |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 33 pF               |
| Capacitance Tolerance:           | 5%                  |
| Voltage DC:                      | 50 VDC              |
| Dielectric Withstanding Voltage: | 125 V               |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | COG                 |
| Dissipation Factor:              | 0.1%                |
| Aging Rate:                      | 0% Loss/Decade Hour |
| Insulation Resistance:           | 100 GOHms           |

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